CLAIMS

1. Method for allocating network resources within an IP network, the method comprising the steps of:

   -*allocating* (801) reserved network resources in advance before a session, that will use said resources, has started based on usage history statistics if available usage history statistics is applicable to said network resource reservation request,

   the method is **characterised** in that it comprises the further steps of:

   -*allocating* (802) network resources individually for said requested network resource reservation if applicable usage history statistics is not available, and

   -*updating* (803) said usage history statistics based upon said individually allocated network resources.

2. Method according to claim 1, wherein the method comprises the further step of:

   -manual *adjusting* usage history statistics.

3. Method according to any of claims 1-2, wherein said individually allocated network resources is allocated per reservation occasion.

4. Method according to any of claims 1-3, wherein said allocated reserved network resources is allocated based on usage history statistics per destination.

5. Method according to claim 4, wherein the time interval between each occasion, which network resources are allocated based on usage history statistics, may either be equal for all destinations or differ between the destinations.

6. Method according to claim 4, wherein said allocation of reserved network resources is further based on statistics for individual services.

7. Method according to any of claims 1-6, wherein the usage history statistics comprises any of the parameters a peak value, an average value or a variance.

8. Method according to any of claims 1-7, wherein said resource manager is implemented within a server or a router in said IP network.

9. A computer program product directly loadable into a server and/or router within an IP network comprising the software code portions for performing the steps of any of claims 1-8.

10. A computer program product stored on a computer usable medium, comprising readable program for causing a processing means within a server and/or router within an IP network to control the execution of the steps of any of claims 1-8.

11. Resource manager in an IP-network comprises means for allocating network resources within the IP network, said resource manager comprises:
   -means (702) for allocating reserved network resources in advance before a session, that will use said resources, has started based on usage history statistics (708) when available usage history statistics is applicable to said network resource reservation request,
   the resource manager is **characterised** in that it further comprises:
   when applicable usage history statistics (708) is not available,
   -means (704) for allocating network resources individually for said requested network resource reservation, and
   -means (706) for updating said usage history statistics (708) based upon said individually allocated network resources.

12. Resource manager according to claim 11, wherein said resource manager comprises means for manual adjusting usage history statistics.

13. Resource manager according to any of claims 11-12, wherein the resource manager comprises means for allocating said individually allocated network resources per reservation occasion.

14. Resource manager according to any of claims 11-13, wherein the resource manager comprises means for allocating said allocated reserved network resources based on usage history statistics per destination.

5

15. Resource manager according to claim 14, wherein the time interval between each occasion, which network resources are allocated based on usage history statistics, may either be equal for all destinations or differ between the destinations.

10

16. Resource manager according to claim 14, wherein said means for allocating network resources further comprises means for using statistics for individual services for said allocation network resource reservations.

17. Resource manager according to claim 11-16, wherein the usage history
15 statistics comprises any of the parameters a peak value, an average value or a variance.

18. Resource manager according to claim 11-17, wherein said resource manager is implemented within a server or a router in said IP network.

20